

Hui-Yan Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5157165/publications.pdf>

Version: 2024-02-01

58
papers

689
citations

516681

16
h-index

580810

25
g-index

59
all docs

59
docs citations

59
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	BiCoSS: Toward Large-Scale Cognition Brain With Multigranular Neuromorphic Architecture. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2801-2815.	11.3	96
2	Cost-efficient FPGA implementation of basal ganglia and their Parkinsonian analysis. Neural Networks, 2015, 71, 62-75.	5.9	59
3	Digital implementations of thalamocortical neuron models and its application in thalamocortical control using FPGA for Parkinson's disease. Neurocomputing, 2016, 177, 274-289.	5.9	45
4	Adaptive Control of Parkinson's State Based on a Nonlinear Computational Model with Unknown Parameters. International Journal of Neural Systems, 2015, 25, 1450030.	5.2	32
5	Variable universe fuzzy closed-loop control of tremor predominant Parkinsonian state based on parameter estimation. Neurocomputing, 2015, 151, 1507-1518.	5.9	31
6	CLOSED-LOOP CONTROL OF THE THALAMOCORTICAL RELAY NEURON'S PARKINSONIAN STATE BASED ON SLOW VARIABLE. International Journal of Neural Systems, 2013, 23, 1350017.	5.2	28
7	Neural mass models describing possible origin of the excessive beta oscillations correlated with Parkinsonian state. Neural Networks, 2017, 88, 65-73.	5.9	28
8	Multi-scale order recurrence quantification analysis of EEG signals evoked by manual acupuncture in healthy subjects. Cognitive Neurodynamics, 2013, 7, 79-88.	4.0	27
9	Closed-Loop Modulation of the Pathological Disorders of the Basal Ganglia Network. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 371-382.	11.3	27
10	Cost-efficient FPGA implementation of a biologically plausible dopamine neural network and its application. Neurocomputing, 2018, 314, 394-408.	5.9	27
11	Closed-Loop Control of Tremor-Predominant Parkinsonian State Based on Parameter Estimation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1109-1121.	4.9	26
12	UKF-based closed loop iterative learning control of epileptiform wave in a neural mass model. Cognitive Neurodynamics, 2015, 9, 31-40.	4.0	25
13	Efficient hardware implementation of the subthalamic nucleus's external globus pallidus oscillation system and its dynamics investigation. Neural Networks, 2017, 94, 220-238.	5.9	25
14	Efficient implementation of a real-time estimation system for thalamocortical hidden Parkinsonian properties. Scientific Reports, 2017, 7, 40152.	3.3	24
15	A neural mass model of basal ganglia nuclei simulates pathological beta rhythm in Parkinson's disease. Chaos, 2016, 26, 123113.	2.5	23
16	Theoretical analysis of vibrational resonance in a neuron model near a bifurcation point. Physical Review E, 2014, 89, 062916.	2.1	22
17	Nonlinear predictive control for adaptive adjustments of deep brain stimulation parameters in basal ganglia's thalamic network. Neural Networks, 2018, 98, 283-295.	5.9	19
18	Neural Network-Based Closed-Loop Deep Brain Stimulation for Modulation of Pathological Oscillation in Parkinson's Disease. IEEE Access, 2020, 8, 161067-161079.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Modeling and Analysis of Beta Oscillations in the Basal Ganglia. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1864-1875.	11.3	14
20	Particle swarm optimization algorithm based parameters estimation and control of epileptiform spikes in a neural mass model. Chaos, 2016, 26, 073118.	2.5	13
21	Analysis and application of neuronal network controllability and observability. Chaos, 2017, 27, 023103.	2.5	10
22	Patient-Specific Seizure prediction from Scalp EEG Using Vision Transformer. , 2022, , .		10
23	Model-Based Closed-Loop Suppression of Parkinsonian Beta Band Oscillations Through Origin Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 450-457.	4.9	9
24	Minimum energy control for a two-compartment neuron to extracellular electric fields. Communications in Nonlinear Science and Numerical Simulation, 2016, 40, 138-150.	3.3	8
25	Adaptive Parameter Modulation of Deep Brain Stimulation Based on Improved Supervisory Algorithm. Frontiers in Neuroscience, 2021, 15, 750806.	2.8	8
26	Closing the loop of DBS using the beta oscillations in cortex. Cognitive Neurodynamics, 2021, 15, 1157-1167.	4.0	7
27	Adaptive parameter modulation of deep brain stimulation in a computational model of basal ganglia-thalamic network. Nonlinear Dynamics, 2021, 106, 945-958.	5.2	7
28	Intensity-Varied Closed-Loop Noise Stimulation for Oscillation Suppression in the Parkinsonian State. IEEE Transactions on Cybernetics, 2022, 52, 9861-9870.	9.5	6
29	Bifurcation Analysis of the Hodgkin-Huxley Model Exposed to External DC Electric Field. , 2007, , .		4
30	Power spectral density and high order bispectral analysis of Alzheimer's EEG. , 2015, , .		3
31	Introducing conditional integrator to sliding mode control of DC/DC buck converter. , 2009, , .		2
32	Effects of deep brain stimulation amplitude on the basal-ganglia-thalamo-cortical network. , 2015, , .		2
33	Efficient epileptic seizure detection based on electroencephalography signal. , 2017, , .		2
34	Digital Implementation of the Retinal Spiking Neural Network under Light Stimulation. , 2019, , .		2
35	Neural network H-infinity synchronization control for time delay chaotic neuronal systems. , 2016, , .		1
36	Digital neuromorphic implementation of the biologically inspired pallidal oscillator. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Real-time implementation of the Purkinje network on digital neuromorphic system. , 2019, , .		1
38	Global synchronization of N neurons in external electrical stimulation via active control. , 2008, 2008, 2485-8.		0
39	Robust output regulation of single-switch quadratic buck converter using internal model. , 2009, , .		0
40	Influence of the twirling frequency on the firing patterns of the evoked spike trains. , 2011, , .		0
41	Action potential initial mechanism control of a minimum model response to constant and sinusoidal stimulus. , 2012, , .		0
42	Change excitability of Morris-Lecar model via physiological bifurcation control. , 2012, , .		0
43	Robust Adaptive Fuzzy Tracking Control of Stochastic Neuron Systems. , 2012, , .		0
44	UKF-based state feedback control of abnormal neural oscillations in demyelination symptom. , 2012, , .		0
45	Bifurcation control design for simplified HH neuron model: A physiological approach. , 2012, , .		0
46	The effect of extreme low frequency external alternating-current field on the adaptability in the Ermentrout model. , 2012, , .		0
47	The effect of direct-current field on the adaptability in the minimal model. , 2013, , .		0
48	Memory and computing function of four-node neuronal network motifs. , 2014, , .		0
49	Effects of synaptic coupling on phase response curve of neurons. , 2014, , .		0
50	Design of the feedback controller for deep brain stimulation of the parkinsonian state based on the system identification. , 2015, , .		0
51	A comparison of open-loop and closed-loop DBS to control the thalamic relay neuron's Parkinsonian state. , 2015, , .		0
52	Oscillations Induced by Brain Connectivity Changes in Basal ganglia-cortex Network. , 2018, , .		0
53	Real-time implementation of the coupled neural mass and its application. , 2018, , .		0
54	Parkinsonian State Online Modulation based on BP Neural Network. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
55	A Real-Time On-Demand Deep Brain Stimulation Device Design and Validation. , 2020, , .		0
56	Effects of Synaptic Time Constant on Firing Activities of a minimal Central Pattern Generator. , 2020, , .		0
57	A Novel Screening Framework for Lymph Node Metastasis in Colorectal Cancer Based on Deep Learning Approaches. , 2022, , .		0
58	Nonlinear dynamical modeling of neural activity using volterra series with GA-enhanced particle swarm optimization algorithm. Cognitive Neurodynamics, 0, , .	4.0	0